Code for "Modeling misclassification in multi-species acoustic data when estimating occupancy and relative activity"

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All code was authored by Wilson J. Wright

Acoustic data were collected by Montana Fish, Wildlife & Parks and their partners. These data are available at https:XXXXXXX. We include the data and code used to conduct the analyses described in the main text of the manuscript. All analyses were conducted in R (R Core Team, 2018).

Included files:

- 'mt_bat_model.stan' - Stan model code to fit model
- 'MtDataAnalysis.R' - R script with general functions to format data, fit model, and summarize results.

Running this code requires the rstan package (Stan Development Team, 2018) and figures were created using the ggplot2 package (Wickham, 2016).

Disclaimer:

ernment shall be held liable for any damages resulting from its authorized or unauthorized use.

This software is provided "AS IS".

REFERENCES

R Core Team. (2018). *R: A language and environment for statistical computing*. Version 3.5.1. R Foundation for Statistical Computing. Vienna, Austria. Retrieved from https://www.R-project.org/

Stan Development Team. (2018). RStan: The R interface to Stan. R package version 2.18.2. Retrieved from http://mc-stan.org/

Wickham, H. (2016). Ggplot2: Elegant graphics for data analysis. Springer-Verlag New York. Retrieved from http://ggplot2.org